

Curriculum plan (Even Semester 2026)

Teacher Name: **Mr. Vikash yadav**

Paper name: **Basics of Immunology Zoo-LS-DSC-18**

Class type: LS III year (VI sem) G3 & G4

Paper shared with: K Vandana Rani

Date	Practical
Jan 2026	1. To study the structure and function of lymphoid organs of the immune system 4.To study various types of blood cells using Leishman's/Giemsa/Crystal violet stained blood smear.
Jan 2026	. 2. Histological study of spleen, thymus and lymph nodes through slides/ photomicrographs.
Jan 2026	3. To study haematopoiesis and role of cells in immune response through flowchart.
Feb 2026	5. Cell counting and viability test (trypan blue dye exclusion test) from splenocytes* from rat/mouse/any other species.
Feb 2026	Identification of the functional groups by qualitative tests: a. Carbohydrates b. Lipids c. Proteins
Feb - March 2026	6. To understand the antigen and antibody interactions by i) ABO Blood group antigen determination by heamagglutination test. ii) Ouchterlony's double immunodiffusion method. iii) Production of monoclonal antibodies by HAT selection. iv) Demonstration of ELISA. v) Demonstration of Immunoelectrophoresis. vi) FACS vii) RIA
March 2026	7. Project on any topic/ Project report on visit to any research institute/laboratory to study the immunological techniques
April	REVISION and MOCK PRACTICAL TEST

Name of teacher

Signature